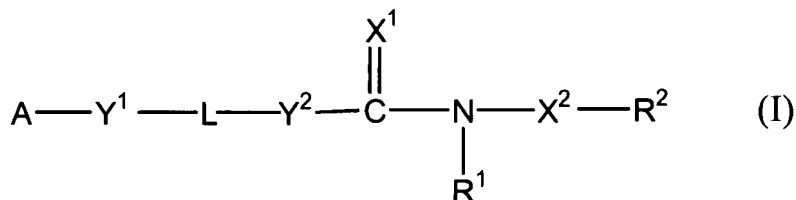


Amendments to the Claims

This listing of claims replaces all prior versions and listings of claims in the application.

Listing of claims:

1. **(Currently Amended)** A method of inhibiting sodium ion transport in an airway epithelial cell comprising contacting the cell with a compound including an oxyamide linkage wherein the compound is trichostatin, SAHA, or a compound of formula (I)



wherein

A is a cyclic moiety selected from the group consisting of C₃₋₁₄ cycloalkyl, 3-14 membered heterocycloalkyl, C₄₋₁₄ cycloalkenyl, 3-8 membered heterocycloalkenyl, aryl, or heteroaryl; the cyclic moiety being optionally substituted with alkyl, alkenyl, alkynyl, alkoxy, hydroxyl, hydroxylalkyl, halo, haloalkyl, amino, alkylcarbonyloxy, alkyloxycarbonyl, alkylcarbonyl, alkylsulfonylamino, aminosulfonyl, or alkylsulfonyl; or A is a saturated branched C₃₋₁₂ hydrocarbon chain or an unsaturated branched C₃₋₁₂ hydrocarbon chain optionally interrupted by -O-, -S-, -N(R^a)-, -C(O)-, -N(R^a)-SO₂-, -SO₂-N(R^a)-, -N(R^a)-C(O)-O-, -O-C(O)-N(R^a)-, -N(R^a)-C(O)-N(R^b)-, -O-C(O)-, -C(O)-O-, -O-SO₂-, -SO₂-O-, or -O-C(O)-O-, where each of R^a and R^b, independently, is hydrogen, alkyl, alkenyl, alkynyl, alkoxy, hydroxylalkyl, hydroxyl, or haloalkyl; each of the saturated and the unsaturated branched hydrocarbon chain being optionally substituted with alkyl, alkenyl, alkynyl, alkoxy, hydroxyl, hydroxylalkyl, halo, haloalkyl, amino, alkylcarbonyloxy, alkyloxycarbonyl, alkylcarbonyl, alkylsulfonylamino, aminosulfonyl, or alkylsulfonyl;

each of Y¹ and Y², independently, is -CH₂-, -O-, -S-, -N(R^c)-, -N(R^c)-C(O)-O-, -O-C(O)-N(R^c)-, -N(R^c)-C(O)-N(R^d)-, -O-C(O)-O-, or a bond; each of R^c and R^d, independently, being hydrogen, alkyl, alkenyl, alkynyl, alkoxy, hydroxylalkyl, hydroxyl, or haloalkyl;

L is selected from the group consisting of:

a saturated straight C₄₋₁₀ hydrocarbon chain substituted with C₁₋₄ alkyl, C₂₋₄ alkenyl, C₂₋₄ alkynyl, C₁₋₄ alkoxy, or amino, and further optionally interrupted by -O- or -N(R^c)-;

an unsaturated straight C₄₋₈ hydrocarbon chain containing 2-5 double bonds optionally substituted with C₁₋₄ alkyl, C₂₋₄ alkenyl, C₂₋₄ alkynyl, or C₁₋₄ alkoxy, and further being optionally interrupted by -O- or -N(R^g)-, where R^g is hydrogen, alkyl, alkenyl, alkynyl, alkoxy, hydroxylalkyl, hydroxyl, or haloalkyl; or

-(CH=CH)_m- where m is 2 or 3, L being optionally substituted with C₁₋₄ alkyl, C₂₋₄ alkenyl, C₂₋₄ alkynyl, or C₁₋₄ alkoxy, and further being optionally interrupted by -O- or -N(R^g)-;

R¹ is hydrogen, alkyl, alkenyl, alkynyl, alkoxy, hydroxylalkyl, hydroxyl, haloalkyl, or an amino protecting group; and

R² is hydrogen, alkyl, hydroxylalkyl, haloalkyl, or a hydroxyl protecting group;

each of X¹ and X², independently, is -O-;

or a pharmaceutically acceptable salt thereof,

in an amount effective to inhibit sodium ion transport.

2. **(Cancelled)**

3. **(Original)** The method of claim 2, wherein R¹ is hydrogen.

4. **(Original)** The method of claim 2, wherein R² is hydrogen.

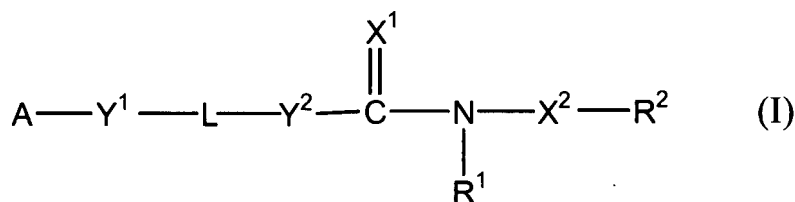
5. **(Cancelled)**

6. **(Cancelled)**

7. **(Currently Amended)** The method of claim [[2]] 1, wherein Y¹ is -CH₂-, -O-, -N(R^a)-, or a bond, and Y² is -CH₂-, -O-, or -N(R^c)-.

8. **(Currently Amended)** The method of claim [[2]] 1, wherein L is a saturated straight C₄₋₁₀ hydrocarbon chain substituted with C₁₋₄ alkyl, C₂₋₄ alkenyl, C₂₋₄ alkynyl, C₁₋₄ alkoxy, or amino, and further optionally interrupted by -O- or -N(R^c)-.
9. **(Currently Amended)** The method of claim claim [[2]] 1, wherein L is an unsaturated straight C₄₋₈ hydrocarbon chain containing 2-5 double bonds optionally substituted with C₁₋₄ alkyl, C₂₋₄ alkenyl, C₂₋₄ alkynyl, or C₁₋₄ alkoxy, and further being optionally interrupted by -O- or -N(R^g)-, where R^g is hydrogen, alkyl, alkenyl, alkynyl, alkoxy, hydroxylalkyl, hydroxyl, or haloalkyl.
10. **(Currently Amended)** The method of claim claim [[2]] 1, wherein L is -(CH=CH)_m- where m is 2 or 3, L being optionally substituted with C₁₋₄ alkyl, C₂₋₄ alkenyl, C₂₋₄ alkynyl, or C₁₋₄ alkoxy, and further being optionally interrupted by -O- or -N(R^g)-.
11. **(Currently Amended)** The method of claim claim [[2]] 1, wherein A is phenyl, furyl, thienyl, pyrrolyl, or pyridyl.
12. **(Original)** The method of claim 11, wherein A is phenyl optionally substituted with alkyl, alkenyl, alkynyl, alkoxy, hydroxylalkyl, or amino.
13. **(Original)** The method of claim 1, wherein the cells are contacted with the compound in vivo.
14. **(Original)** The method of claim 1, wherein the cells are contacted with the compound in vitro.
15. **(Original)** The method of claim 1, wherein the compound is 5-phenyl-2,4-pentadienoylhydroxamic acid.

16. **(Original)** The method of claim 1, wherein the compound is 7-phenyl-2,4,6-heptatrienoylhydroxamic acid.
17. **(Original)** The method of claim 1, wherein the compound is trichostatin.
18. **(Original)** The method of claim 1, wherein the compound is SAHA.
19. **(Currently Amended)** A method of treating lung disease in a mammal comprising administering to the mammal a compound including an oxyamide linkage wherein the compound is trichostatin, SAHA, or a compound of formula (I)



wherein

A is a cyclic moiety selected from the group consisting of C₃₋₁₄ cycloalkyl, 3-14 membered heterocycloalkyl, C₄₋₁₄ cycloalkenyl, 3-8 membered heterocycloalkenyl, aryl, or heteroaryl; the cyclic moiety being optionally substituted with alkyl, alkenyl, alkynyl, alkoxy, hydroxyl, hydroxylalkyl, halo, haloalkyl, amino, alkylcarbonyloxy, alkyloxycarbonyl, alkylcarbonyl, alkylsulfonylamino, aminosulfonyl, or alkylsulfonyl; or A is a saturated branched C₃₋₁₂ hydrocarbon chain or an unsaturated branched C₃₋₁₂ hydrocarbon chain optionally interrupted by -O-, -S-, -N(R^a)-, -C(O)-, -N(R^a)-SO₂-, -SO₂-N(R^a)-, -N(R^a)-C(O)-O-, -O-C(O)-N(R^a)-, -N(R^a)-C(O)-N(R^b)-, -O-C(O)-, -C(O)-O-, -O-SO₂-, -SO₂-O-, or -O-C(O)-O-, where each of R^a and R^b, independently, is hydrogen, alkyl, alkenyl, alkynyl, alkoxy, hydroxylalkyl, hydroxyl, or haloalkyl; each of the saturated and the unsaturated branched hydrocarbon chain being optionally substituted with alkyl, alkenyl, alkynyl, alkoxy, hydroxyl, hydroxylalkyl, halo, haloalkyl, amino, alkylcarbonyloxy, alkyloxycarbonyl, alkylcarbonyl, alkylsulfonylamino, aminosulfonyl, or alkylsulfonyl;

each of Y¹ and Y², independently, is -CH₂-, -O-, -S-, -N(R^c)-, -N(R^c)-C(O)-O-, -O-C(O)-N(R^c)-, -N(R^c)-C(O)-N(R^d)-, -O-C(O)-O-, or a bond; each of R^c and R^d, independently, being hydrogen, alkyl, alkenyl, alkynyl, alkoxy, hydroxylalkyl, hydroxyl, or haloalkyl;

L is selected from the group consisting of:

a saturated straight C₄₋₁₀ hydrocarbon chain substituted with C₁₋₄ alkyl, C₂₋₄ alkenyl, C₂₋₄ alkynyl, C₁₋₄ alkoxy, or amino, and further optionally interrupted by -O- or -N(R^e)-;

an unsaturated straight C₄₋₈ hydrocarbon chain containing 2-5 double bonds optionally substituted with C₁₋₄ alkyl, C₂₋₄ alkenyl, C₂₋₄ alkynyl, or C₁₋₄ alkoxy, and further being optionally interrupted by -O- or -N(R^e)-, where R^e is hydrogen, alkyl, alkenyl, alkynyl, alkoxy, hydroxylalkyl, hydroxyl, or haloalkyl; or

-(CH=CH)_m- where m is 2 or 3, L being optionally substituted with C₁₋₄ alkyl, C₂₋₄ alkenyl, C₂₋₄ alkynyl, or C₁₋₄ alkoxy, and further being optionally interrupted by -O- or -N(R^e)-;

R¹ is hydrogen, alkyl, alkenyl, alkynyl, alkoxy, hydroxylalkyl, hydroxyl, haloalkyl, or an amino protecting group; and

R² is hydrogen, alkyl, hydroxylalkyl, haloalkyl, or a hydroxyl protecting group;

each of X¹ and X², independently, is -O-;

or a pharmaceutically acceptable salt thereof,

in an amount effective to inhibit sodium ion transport.

21. **(Original)** The method of claim 19, wherein the compound is 5-phenyl-2,4-pentadienoylhydroxamic acid.

22. **(Original)** The method of claim 19, wherein the compound is 7-phenyl-2,4,6-heptatrienoylhydroxamic acid.

23. **(Original)** The method of claim 19, wherein the compound is trichostatin.

24. **(Original)** The method of claim 19, wherein the compound is SAHA.

25. **(Original)** The method of claim 19, wherein the lung disease is cystic fibrosis, chronic obstructive pulmonary disease, asthma, acute bronchitis, or chronic bronchitis.

26. **(Original)** A method of treating cystic fibrosis in a mammal comprising administering to the mammal an effective amount of 5-phenyl-2,4-pentadienoylhydroxamic acid, or a pharmaceutically acceptable salt thereof.

27. **(Original)** A method of treating cystic fibrosis in a mammal comprising administering to the mammal an effective amount of 7-phenyl-2,4,6-heptatrienoylhydroxamic acid, or a pharmaceutically acceptable salt thereof.

28. **(Original)** A method of treating chronic obstructive pulmonary disease in a mammal comprising administering to the mammal an effective amount of 5-phenyl-2,4-pentadienoylhydroxamic acid, or a pharmaceutically acceptable salt thereof.

29. **(Original)** A method of treating chronic obstructive pulmonary disease in a mammal comprising administering to the mammal an effective amount of 7-phenyl-2,4,6-heptatrienoylhydroxamic acid, or a pharmaceutically acceptable salt thereof.

30. **(Original)** A method of treating asthma, acute bronchitis, or chronic bronchitis in a mammal comprising administering to the mammal an effective amount of 5-phenyl-2,4-pentadienoylhydroxamic acid, or a pharmaceutically acceptable salt thereof.

31. **(Original)** A method of treating asthma, acute bronchitis, or chronic bronchitis in a mammal comprising administering to the mammal an effective amount of 7-phenyl-2,4,6-heptatrienoylhydroxamic acid, or a pharmaceutically acceptable salt thereof.